INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference P200300314 WO				FOR FURTHER AC	TION	See Notification Preliminary Exa	of Transmi amination Re	tal of International political Commercial PCT
	ationa ÆP 0		cation No. 585				Priority dai 01.08.20	e (day/month/year) 02
Interr	nationa	l Pate	nt Classification (IPC) or b	ooth national classification a	nd IPC			
G10	L15/2	20						
	n							
Appli	Applicant							
TEL	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) et al.							
1.	This	interr	national preliminary exa	mination report has been	n prepa	red by this Inter	rnational P	reliminary Examining
	Autn	onty a	and is transmitted to the	e applicant according to	Alticle 3	· · ·		
2.	This	REP	ORT consists of a total	of 5 sheets, including th	is cove	r sheet.		•
		This	report is also accompa	anied by ANNEXES, i.e.	sheets o	of the description	on, claims a	and/or drawings which have
		beer	n amended and are the	basis for this report and n 607 of the Administrati	or shee	ts containing re	ectifications	made before this Authority
		•			ve 11130	uctions under t	116 1 01).	
	i nes	se anr	nexes consist of a total	or sneets.				
3.	This	repór	t contains indications re	elating to the following ite	ems:			
	1		Basis of the opinion					
	II		Priority					
	HI		Non-establishment of	opinion with regard to n	ovelty, i	nventive step a	nd industri	al applicability
	IV		Lack of unity of invent					
	٧	×		under Rule 66.2(a)(ii) wi tions supporting such sta			ventive ste	p or industrial applicability;
]	VI		Certain documents ci	ted				
	VII			international application				
	VIII		Certain observations	on the international appl	ication			
					Data	f completion of th	le resert	
Date	Date of submission of the demand			Date o	completion of th	is report		
15.0	15.01.2004				06.09.2004			
Nam prelir	Name and malling address of the international preliminary examining authority:				Authorized Officer			
European Patent Office - P.B. 5818 Patentlaan 2					വച്ചിട്ട	avoine R		
	Tel. +31 70 340 - 2040 Tx: 31 651 epo nl				Telephone No. +31 70 340-3946			
NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo ni				Quélavoine, R				
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 02/08585

I. Basis	of the	rep	orl
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	De	escription, Pages					
	1-	14 .	as originally filed				
	CI	aims, Numbers					
	1-	16	as originally filed				
	Dr	awings, Sheets					
	1/3	3-3/3	as originally filed				
2.	With regard to the language , all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.						
	Th	ese elements were a	vailable or furnished to this Authority in the following language: , which is:				
		the language of a t	ranslation furnished for the purposes of the international search (under Rule 23.1(b)).				
		the language of pul	olication of the international application (under Rule 48.3(b)).				
			ranslation furnished for the purposes of international proliminary overwingtion (vertical)				
3.	Wit inte	th regard to any nucl ernational preliminary	eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:				
		contained in the inte	ernational application in written form.				
		filed together with tl	ne international application in computer readable form.				
			ntly to this Authority in written form.				
		furnished subseque	ntly to this Authority in computer readable form.				
	☐ The statement that the subsequently furnished written sequence listing does not go beyond the in the international application as filed has been furnished.						
		The statement that listing has been furn	the information recorded in computer readable form is identical to the written sequence ished.				
4.	The	amendments have i	resulted in the cancellation of:				
		the description,	pages:				
		the claims,	Nos.:				
		the drawings,	sheets:				

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5. □	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).
	(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N) Yes: Claims 1-16

No: Claims

Inventive step (IS) Yes: Claims 1-16

No: Claims

Industrial applicability (IA) Yes: Claims 1-16

No: Claims

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

- 1. Reference is made to the following document:
 - D1: YAMADA M ET AL: "ACTIVE/NON-ACTIVE WORD CONTROL USING GARBAGE MODEL - UNKNOWN WORD RE-EVALUATION IN SPEECH CONVERSATION" ICSLP 94: INTERNATIONAL CONFERENCE ON SPOKEN LANGUAGE PROCESSING (ICSLP), vol. 2, 18 September 1994 (1994-09-18), - 22 September 1994 (1994-09-22) pages 823-826, XP000855376 YOKOHAMA: ASJ, JP

The document D1 is regarded as being the closest prior art to the subject-matter of claim 1, and shows (abstract, section "2.2 Unknown word detection using garbage models") a speech recognition system in which garbage models are used to select different sets of active vocabulary.

The subject-matter of claim 1 differs from this known method in that keywords are directly recognized when associated with a given sequence of garbage models, without the need of a second recognition pass on another vocabulary set such as proposed in D1.

The subject-matter of claim 1 is therefore new (Article 33(2) PCT).

The problem to be solved by the present invention may be regarded as how to recognize keywords in noisy environments.

The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) because it is not directly derivable from the prior art.

Claims 2-16 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

Re Item VII.



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International application No. PCT/EP 02/08585

EXAMINATION REPORT - SEPARATE SHEET

- Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art 1. disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.
- The features of the claims are not provided with reference signs placed in 2. parentheses (Rule 6.2(b) PCT).